

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/769, 218
Source: TFW16
Date Processed by STIC: 4/5/2006

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IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/769,218

DATE: 04/05/2006

TIME: 10:20:07

Input Set : E:\Princeton 151 Sequence Listing.txt
 Output Set: N:\CRF4\04052006\J769218.raw

3 <110> APPLICANT: Shi, Yigong
 5 <120> TITLE OF INVENTION: CASPASE-9:BIR DOMAIN OF XIAP COMPLEXES AND METHODS OF USE
 7 <130> FILE REFERENCE: 112911.01501
 9 <140> CURRENT APPLICATION NUMBER: 10/769,218
 10 <141> CURRENT FILING DATE: 2004-01-30
 12 <150> PRIOR APPLICATION NUMBER: 60/443,590
 13 <151> PRIOR FILING DATE: 2003-01-30
 15 <160> NUMBER OF SEQ ID NOS: 23
 17 <170> SOFTWARE: PatentIn version 3.2
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 277
 21 <212> TYPE: PRT
 22 <213> ORGANISM: Homo sapiens
 24 <400> SEQUENCE: 1
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 30 Ser Met Glu Pro Cys Gly His Cys Leu Ile Ile Asn Asn Val Asn Phe
 31 20 25 30
 34 Cys Arg Glu Ser Gly Leu Arg Thr Arg Thr Gly Ser Asn Ile Asp Cys
 35 35 40 45
 38 Glu Lys Leu Arg Arg Arg Phe Ser Ser Leu His Phe Met Val Glu Val
 39 50 55 60
 42 Lys Gly Asp Leu Thr Ala Lys Lys Met Val Leu Ala Leu Leu Glu Leu
 43 65 70 75 80
 46 Ala Arg Gln Asp His Gly Ala Leu Asp Cys Cys Val Val Val Ile Leu
 47 85 90 95
 50 Ser His Gly Cys Gln Ala Ser His Leu Gln Phe Pro Gly Ala Val Tyr
 51 100 105 110
 54 Gly Thr Asp Gly Cys Pro Val Ser Val Glu Lys Ile Val Asn Ile Phe
 55 115 120 125
 58 Asn Gly Thr Ser Cys Pro Ser Leu Gly Gly Lys Pro Lys Leu Phe Phe
 59 130 135 140
 62 Ile Gln Ala Cys Gly Gly Glu Gln Lys Asp His Gly Phe Glu Val Ala
 63 145 150 155 160
 66 Ser Thr Ser Pro Glu Asp Glu Ser Pro Gly Ser Asn Pro Glu Pro Asp
 67 165 170 175
 70 Ala Thr Pro Phe Gln Glu Gly Leu Arg Thr Phe Asp Gln Leu Asp Ala
 71 180 185 190
 74 Ile Ser Ser Leu Pro Thr Pro Ser Asp Ile Phe Val Ser Tyr Ser Thr
 75 195 200 205
 78 Phe Pro Gly Phe Val Ser Trp Arg Asp Pro Lys Ser Gly Ser Trp Tyr
 79 210 215 220
 82 Val Glu Thr Leu Asp Asp Ile Phe Glu Gln Trp Ala His Ser Glu Asp

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83 225 230 235 240
86 Leu Gln Ser Leu Leu Leu Arg Val Ala Asn Ala Val Ser Val Lys Gly
87 245 250 255
90 Ile Tyr Lys Gln Met Pro Gly Cys Phe Asn Phe Leu Arg Lys Lys Leu
91 260 265 270
94 Phe Phe Lys Thr Ser
95 275
98 <210> SEQ ID NO: 2
99 <211> LENGTH: 98
100 <212> TYPE: PRT
101 <213> ORGANISM: Homo sapiens
103 <400> SEQUENCE: 2
105 Ser Thr Asn Leu Pro Arg Asn Pro Ser Met Ala Asp Tyr Glu Ala Arg
106 1 5 10 15
109 Ile Phe Thr Phe Gly Thr Trp Ile Tyr Ser Val Asn Lys Glu Gln Leu
110 20 25 30
113 Ala Arg Ala Gly Phe Tyr Ala Leu Gly Glu Gly Asp Lys Val Lys Cys
114 35 40 45
117 Phe His Cys Gly Gly Leu Thr Asp Trp Lys Pro Ser Glu Asp Pro
118 50 55 60
121 Trp Glu Gln His Ala Lys Trp Tyr Pro Gly Cys Lys Tyr Leu Leu Glu
122 65 70 75 80
125 Gln Lys Gly Gln Glu Tyr Ile Asn Asn Ile His Leu Thr His Ser Leu
126 85 90 95
129 Glu Glu
133 <210> SEQ ID NO: 3
134 <211> LENGTH: 416
135 <212> TYPE: PRT
136 <213> ORGANISM: Homo sapiens
138 <400> SEQUENCE: 3
140 Met Asp Glu Ala Asp Arg Arg Leu Leu Arg Arg Cys Arg Leu Arg Leu
141 1 5 10 15
144 Val Glu Glu Leu Gln Val Asp Gln Leu Trp Asp Ala Leu Leu Ser Arg
145 20 25 30
148 Glu Leu Phe Arg Pro His Met Ile Glu Asp Ile Gln Arg Ala Gly Ser
149 35 40 45
152 Gly Ser Arg Arg Asp Gln Ala Arg Gln Leu Ile Ile Asp Leu Glu Thr
153 50 55 60
156 Arg Gly Ser Gln Ala Leu Pro Leu Phe Ile Ser Cys Leu Glu Asp Thr
157 65 70 75 80
160 Gly Gln Asp Met Leu Ala Ser Phe Leu Arg Thr Asn Arg Gln Ala Ala
161 85 90 95
164 Lys Leu Ser Lys Pro Thr Leu Glu Asn Leu Thr Pro Val Val Leu Arg
165 100 105 110
168 Pro Glu Ile Arg Lys Pro Glu Val Leu Arg Pro Glu Thr Pro Arg Pro
169 115 120 125
172 Val Asp Ile Gly Ser Gly Gly Phe Gly Asp Val Gly Ala Leu Glu Ser
173 130 135 140
176 Leu Arg Gly Asn Ala Asp Leu Ala Tyr Ile Leu Ser Met Glu Pro Cys

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177 145 150 155 160
 180 Gly His Cys Leu Ile Ile Asn Asn Val Asn Phe Cys Arg Glu Ser Gly
 181 165 170 175
 184 Leu Arg Thr Arg Thr Gly Ser Asn Ile Asp Cys Glu Lys Leu Arg Arg
 185 180 185 190
 188 Arg Phe Ser Ser Leu His Phe Met Val Glu Val Lys Gly Asp Leu Thr
 189 195 200 205
 192 Ala Lys Lys Met Val Leu Ala Leu Leu Glu Leu Ala Gln Gln Asp His
 193 210 215 220
 196 Gly Ala Leu Asp Cys Cys Val Val Val Ile Leu Ser His Gly Cys Gln
 197 225 230 235 240
 200 Ala Ser His Leu Gln Phe Pro Gly Ala Val Tyr Gly Thr Asp Gly Cys
 201 245 250 255
 204 Pro Val Ser Val Glu Lys Ile Val Asn Ile Phe Asn Gly Thr Ser Cys
 205 260 265 270
 208 Pro Ser Leu Gly Gly Lys Pro Lys Leu Phe Phe Ile Gln Ala Cys Gly
 209 275 280 285
 212 Gly Glu Gln Lys Asp His Gly Phe Glu Val Ala Ser Thr Ser Pro Glu
 213 290 295 300
 216 Asp Glu Ser Pro Gly Ser Asn Pro Glu Pro Asp Ala Thr Pro Phe Gln
 217 305 310 315 320
 220 Glu Gly Leu Arg Thr Phe Asp Gln Leu Asp Ala Ile Ser Ser Leu Pro
 221 325 330 335
 224 Thr Pro Ser Asp Ile Phe Val Ser Tyr Ser Thr Phe Pro Gly Phe Val
 225 340 345 350
 228 Ser Trp Arg Asp Pro Lys Ser Gly Ser Trp Tyr Val Glu Thr Leu Asp
 229 355 360 365
 232 Asp Ile Phe Glu Gln Trp Ala His Ser Glu Asp Leu Gln Ser Leu Leu
 233 370 375 380
 236 Leu Arg Val Ala Asn Ala Val Ser Val Lys Gly Ile Tyr Lys Gln Met
 237 385 390 395 400
 240 Pro Gly Cys Phe Asn Phe Leu Arg Lys Lys Leu Phe Phe Lys Thr Ser
 241 405 410 415
 244 <210> SEQ ID NO: 4
 245 <211> LENGTH: 98
 246 <212> TYPE: PRT
 247 <213> ORGANISM: Homo sapiens
 249 <400> SEQUENCE: 4
 251 Ser Thr Asn Leu Pro Arg Asn Pro Ser Met Ala Asp Tyr Glu Ala Arg
 252 1 5 10 15
 255 Ile Phe Thr Phe Gly Thr Trp Ile Tyr Ser Val Asn Lys Glu Gln Leu
 256 20 25 30
 259 Ala Arg Ala Gly Phe Tyr Ala Leu Gly Glu Gly Asp Lys Val Lys Cys
 260 35 40 45
 263 Phe His Cys Gly Gly Leu Thr Asp Trp Lys Pro Ser Glu Asp Pro
 264 50 55 60
 267 Trp Glu Gln His Ala Lys Trp Tyr Pro Gly Cys Lys Tyr Leu Leu Glu
 268 65 70 75 80
 271 Gln Lys Gly Gln Glu Tyr Ile Asn Asn Ile His Leu Thr His Ser Leu

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280	<211> LENGTH: 416		
281	<212> TYPE: PRT		
282	<213> ORGANISM: Homo sapiens		
284	<400> SEQUENCE: 5		
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287	1 5 10 15		
290	Val Glu Glu Leu Gln Val Asp Gln Leu Trp Asp Ala Leu Leu Ser Arg		
291	20 25 30		
294	Glu Leu Phe Arg Pro His Met Ile Glu Asp Ile Gln Arg Ala Gly Ser		
295	35 40 45		
298	Gly Ser Arg Arg Asp Gln Ala Arg Gln Leu Ile Ile Asp Leu Glu Thr		
299	50 55 60		
302	Arg Gly Ser Gln Ala Leu Pro Leu Phe Ile Ser Cys Leu Glu Asp Thr		
303	65 70 75 80		
306	Gly Gln Asp Met Leu Ala Ser Phe Leu Arg Thr Asn Arg Gln Ala Ala		
307	85 90 95		
310	Lys Leu Ser Lys Pro Thr Leu Glu Asn Leu Thr Pro Val Val Leu Arg		
311	100 105 110		
314	Pro Glu Ile Arg Lys Pro Glu Val Leu Arg Pro Glu Thr Pro Arg Pro		
315	115 120 125		
318	Val Asp Ile Gly Ser Gly Gly Phe Gly Asp Val Gly Ala Leu Glu Ser		
319	130 135 140		
322	Leu Arg Gly Asn Ala Asp Leu Ala Tyr Ile Leu Ser Met Glu Pro Cys		
323	145 150 155 160		
326	Gly His Cys Leu Ile Ile Asn Asn Val Asn Phe Cys Arg Glu Ser Gly		
327	165 170 175		
330	Leu Arg Thr Arg Thr Gly Ser Asn Ile Asp Cys Glu Lys Leu Arg Arg		
331	180 185 190		
334	Arg Phe Ser Ser Leu His Phe Met Val Glu Val Lys Gly Asp Leu Thr		
335	195 200 205		
338	Ala Lys Lys Met Val Leu Ala Leu Leu Glu Leu Ala Gln Gln Asp His		
339	210 215 220		
342	Gly Ala Leu Asp Cys Cys Val Val Val Ile Leu Ser His Gly Cys Gln		
343	225 230 235 240		
346	Ala Ser His Leu Gln Phe Pro Gly Ala Val Tyr Gly Thr Asp Gly Cys		
347	245 250 255		
350	Pro Val Ser Val Glu Lys Ile Val Asn Ile Phe Asn Gly Thr Ser Cys		
351	260 265 270		
354	Pro Ser Leu Gly Gly Lys Pro Lys Leu Phe Phe Ile Gln Ala Cys Gly		
355	275 280 285		
358	Gly Glu Gln Lys Asp His Gly Phe Glu Val Ala Ser Thr Ser Pro Glu		
359	290 295 300		
362	Asp Glu Ser Pro Gly Ser Asn Pro Glu Pro Asp Ala Thr Pro Phe Gln		
363	305 310 315 320		
366	Glu Gly Leu Arg Thr Phe Asp Gln Leu Asp Ala Ile Ser Ser Leu Pro		
367	325 330 335		

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370 Thr Pro Ser Asp Ile Phe Val Ser Tyr Ser Thr Phe Pro Gly Phe Val
371 340 345 350
374 Ser Trp Arg Asp Pro Lys Ser Gly Ser Trp Tyr Val Glu Thr Leu Asp
375 355 360 365
378 Asp Ile Phe Glu Gln Trp Ala His Ser Glu Asp Leu Gln Ser Leu Leu
379 370 375 380
382 Leu Arg Val Ala Asn Ala Val Ser Val Lys Gly Ile Tyr Lys Gln Met
383 385 390 395 400
386 Pro Gly Cys Phe Asn Phe Leu Arg Lys Lys Leu Phe Phe Lys Thr Ser
387 405 410 415
390 <210> SEQ ID NO: 6
391 <211> LENGTH: 416
392 <212> TYPE: PRT
393 <213> ORGANISM: Homo sapiens
395 <400> SEQUENCE: 6
397 Met Asp Glu Ala Asp Arg Arg Leu Leu Arg Arg Cys Arg Leu Arg Leu
398 1 5 10 15
401 Val Glu Glu Leu Gln Val Asp Gln Leu Trp Asp Ala Leu Leu Ser Arg
402 20 25 30
405 Glu Leu Phe Arg Pro His Met Ile Glu Asp Ile Glu Arg Ala Gly Ser
406 35 40 45
409 Gly Ser Arg Arg Asp Gln Ala Arg Gln Leu Ile Ile Asp Leu Glu Thr
410 50 55 60
413 Arg Gly Ser Gln Ala Leu Pro Leu Phe Ile Ser Cys Leu Glu Asp Thr
414 65 70 75 80
417 Gly Gln Asp Met Leu Ala Ser Phe Leu Arg Thr Asn Arg Gln Ala Ala
418 85 90 95
421 Lys Leu Ser Lys Pro Thr Leu Glu Asn Leu Thr Pro Val Val Leu Arg
422 100 105 110
425 Pro Glu Ile Arg Lys Pro Glu Val Leu Arg Pro Glu Thr Pro Arg Pro
426 115 120 125
429 Val Asp Ile Gly Ser Gly Phe Gly Asp Val Gly Ala Leu Glu Ser
430 130 135 140
433 Leu Arg Gly Asn Ala Asp Leu Ala Tyr Ile Leu Ser Met Glu Pro Cys
434 145 150 155 160
437 Gly His Cys Leu Ile Ile Asn Asn Val Asn Phe Cys Arg Glu Ser Gly
438 165 170 175
441 Leu Arg Thr Arg Thr Gly Ser Asn Ile Asp Cys Glu Lys Leu Arg Arg
442 180 185 190
445 Arg Phe Ser Ser Leu His Phe Met Val Glu Val Lys Gly Asp Leu Thr
446 195 200 205
449 Ala Lys Lys Met Val Leu Ala Leu Leu Glu Leu Ala Gln Gln Asp His
450 210 215 220
453 Gly Ala Leu Asp Cys Cys Val Val Val Ile Leu Ser His Gly Cys Gln
454 225 230 235 240
457 Ala Ser His Leu Gln Phe Pro Gly Ala Val Tyr Gly Thr Asp Gly Cys
458 245 250 255
461 Pro Val Ser Val Glu Lys Ile Val Asn Ile Phe Asn Gly Thr Ser Cys
462 260 265 270

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/769,218

DATE: 04/05/2006

TIME: 10:20:08

Input Set : E:\Princeton 151 Sequence Listing.txt
Output Set: N:\CRF4\04052006\J769218.raw